

* NOTICES *

JPO and INPIT are not responsible for any
damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention]A feeling of wear is good, and this invention is easy to detach and attach, does not have the leakage of urine, and is lightweight and relates to a dome shape absorbent article excellent in portability, a manufacturing method for the same, and its use.

[0002]

[Description of the Prior Art]Conventionally, the male incontinentia person had equipped so that the urine picking pad which consists of a layered product containing an absorber might be folded up and the public region might be wrapped in. In this case, a layered product will pile up for whether being many layers, will be dramatically bulky, and will check a wearer's motion. It excelled in the wearing feeling to the man who worries about slight incontinentia or a feeling of the residual urine, and the effective absorbent article in which attachment and detachment are simple, and cannot leak easily was not obtained, but correspondence was desired.

[0003]

[Problem(s) to be Solved by the Invention]In the absorptivity provided with the absorber between the outside sheet by the side of clothing, the surface sheet by the side of the body, and both sheets in order that this invention might improve the fault of the conventional absorbent article, It is the thing which enabled it to prevent the leakage of urine by attaching the elastic member surrounding an absorber to a sheet annularly where tension is applied, carrying out the body side inside by tension restoration of this elastic member, and making it dome shape, The desired end is stored by the ability for a feeling of wear to have been good, and for attachment and detachment have been easy, and have made it lightweight.

[0004]

[Means for Solving the Problem]In an absorbent article provided with an absorber between an outside sheet by the side of clothing, a surface sheet by the side of the body, and both sheets,

this invention attaches an elastic member surrounding the above-mentioned absorber, where tension is applied annularly, it carries out the body side inside by tension restoration of an elastic member, and is fabricated by dome shape. The above-mentioned absorber has the plane shape of circular or an ellipse form, and an elastic member is attached to an outside sheet or a surface sheet, where tension is annularly applied so that it may separate in contact with the outside of this absorber and this may be met. Leakage of urine is prevented by attaching an elastic member annularly, where tension is applied, and carrying out draw forming of the sheet to dome shape automatically at dome shape using tension stability of an elastic member, Without having made it hard to shift from the body, and being bulky like the conventional absorbent article, that it is hard to be steamed few, it becomes lightweight and wrap area could also carry the skin.

[0005]This invention equips an outside surface of an outside sheet with the binder and other attaching means for attaching an absorbent article to clothing. This is for an absorbent article to make it hard to fix to underwear at the time of wear, and to shift. Therefore, a conventional fastener tape, a belt, etc. are [that it is unnecessary, are easy to stick and it is easy to remove] easy to detach and attach.

[0006]The above-mentioned binder application part is covered with a releasing paper. It can be made hard for a binder to be exposed, to carry out adhesion fixing to underwear, and to shift, if a releasing paper is stripped when it fixes to underwear. An outside sheet by the side of clothing is a watertight sheet which consists of polyethylene etc., and, as for this invention, an outside sheet can be improved by laminating a nonwoven fabric of this watertight sheet which is outside excellent in aesthetic property or sweat absorbency further. Surface sheet of this invention by the side of the body is a liquid-permeable sheet. Therefore, urine is absorbed by **** absorber in this liquid-permeable sheet. This invention can equip with a fold which had the 2nd annular elastic member prolonged from between a rim of an absorber, and annular elastic members inside dome shape, can use leakage prevention by an elastic member as multistage, and can improve a leakage preventive effect further.

[0007]This invention carries an absorber on a watertight sheet of a spreading state, and touches a periphery of this absorber again, By or a thing for which spreading of a watertight sheet is released by carrying out the adherence attachment of the elastic member with adhesives etc. annularly where tension is applied so that its distance may be kept and this may be met, carrying a surface sheet and joining from on the. It is related with a manufacturing method of a dome shape absorbent article which an attachment annular part of an elastic member is automatically narrowed down by tension restoration of an elastic member, and forms dome shape by it. Where tension is applied, the adherence attachment of the elastic member is annularly carried out, respectively, so that phase partition ***** and each absorber may be surrounded for an absorber of a flat-surface round shape on a spreading watertight

sheet of a long picture which consists of the above-mentioned polyethylene etc., and after carrying a surface sheet and joining from on them, in accordance with each periphery of an annular elastic member, it pierces to annular, respectively. Thereby, an annular punched sheet is automatically narrowed down to dome shape by tension restoration of an elastic member.

[0008]If die pressing of the dome shape absorbent article which pierced annularly, carried out and carried out a surface sheet inside is carried out with molds, such as the shape of semi-spherical, it will be easy to hold dome shape, and it can operate orthopedically to dome shape of desired shape, and is convenient. By such a manufacturing method, a dome shape absorbent article of this invention is obtained easily and effectively. Although a dome shape absorbent article of this invention is mainly an object for incontinentia persons for males, application to mother's milk putt for women, etc. is also possible.

[0009]

[Embodiment of the Invention]Although the case where the example of this invention is applied to the pad for incontinentia for males is shown below, this is for illustration and does not limit ***** this invention.

[0010]

[Example][Example 1] As shown in drawing 3 from drawing 1, the flat surface by the side of clothing -- the outside sheet (1) side of circular or an ellipse form, and the body side -- the same -- a flat surface -- between the surface sheets (3) of circular or an ellipse form -- both sheets -- the flat surface of a byway -- infixing the absorber (2) of circular or an ellipse form in an approximately concentric round form -- the main part of an absorbent article, and nothing. The annular elastic member (4) surrounding the above-mentioned absorber (2) is fixed where tension is applied [near the periphery edge of a sheet (1) and (3)], and the body side is made into the dome shape carried out inside by making the circumference length of a member (4) narrow down by releasing the tension of a member (4). This absorber (2) is annularly attached so that may have the plane shape of circular or an ellipse form, and an elastic member (4) may touch the outside of an absorber (2), or only an interval (D) may separate and this may be met. **** (9) of the radius length (d) which was reversed on the periphery of the elastic member (4), and has spread is formed, and wearing nature of the absorbent product is improved. As shown in drawing 1 and drawing 2, the outside surface of the outside sheet (1) is equipped with the wrap releasing paper (6) for the binder (5) for attaching an absorbent article to clothing (underwear), and this at the time of non-use. If a releasing paper (6) is stripped when attaching to underwear, adhesion fixing can be carried out to underwear with the binder (5) under it, and a gap right and left can be prevented effectively approximately at the time of wear of an absorbent article. In the above, in this, the sheet (1) and (3) can also be considered as the plane shape in which others are [being a rectangle (merit) and] arbitrary, although it was circular or was considered as the ellipse form.

[0011][Example 2] Drawing 4 is an example which has improved the hand and sweat absorbency, when an outside sheet is a watertight sheet which consists of polyethylene etc. An outside sheet (1) is a watertight sheet which consists of polyethylene etc., and the improvement of a watertight sheet can be aimed at by laminating the nonwoven fabric (7) which is excellent in the outside of a watertight sheet at aesthetic property or sweat absorbency. A surface sheet (3) is a liquid-permeable sheet, and urine is absorbed by the absorber (2) as ** in this liquid-permeable sheet.

[0012][Example 3] As drawing 5 shows, The fluid which equips with the inner fold (11) provided with the 2nd annular elastic member (10) prolonged from between the rim of an absorber (2) and annular elastic members (4) inside dome shape, and is leaked from an absorber (2) is effectively prevented by two steps of elastic members (10) and (4), and a leakage preventive effect improves further.

[0013][Example 4] As drawing 6 shows, the absorber (2) of flat-surface round shape or ellipse type on the watertight sheet (1) of the long picture held at (A) spreading state Phase partition ***** , (B) Carry out the adhesion attachment of the elastic member (4) on a sheet (1) annularly, applying a tension, respectively so that each absorber (2) may be surrounded, After carrying a long surface sheet (3) similarly and joining from them, as the dotted line showed in accordance with each periphery of a (C) annular elastic member (4), respectively, it pierces annularly and (12) has been carried out. Circumference length is narrowed down by tension restoration of an annular elastic member (4), and each product which was pierced annularly and carried out takes dome shape by it. Let this be the dome body which carried out the surface sheet (3) inside. Dome shape can be made easy to carry out die pressing of the dome shape absorbent article with molds, such as the shape of semi-spherical, and to hold.

[0014]

[Effect of the Invention]There is an absorber between the outside sheet by the side of clothing, the surface sheet by the side of the body, and both sheets, By attaching the elastic member surrounding an absorber annularly, carrying out the body side inside, and making it dome shape, the leakage of urine could be prevented, a feeling of wear was good, and attachment and detachment were easy, and it was lightweight, and the dome shape absorbent article excellent in portability was obtained.

[Translation done.]